

SERVICE MANUAL

STEREO RADIO
CASSETTE RECORDER

• BASIC TAPE MECHANISM : TN-9ZR-215

SPECIFICATIONS

EZ, K MODEL

Tuner section

Frequency range, antenna — FM: 87.5 - 108.0 MHz
Rod antenna, AM: 522/530 - 1,611/1,600 kHz (9/10 kHz step) Ferrite bar antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 8,000 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

General

Speaker — 58 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.3 W + 2.3 W (DIN MUSIC POWER), 1 W + 1 W (EIAJ 4 ohms, T.H.D. 10%), 0.7 W + 0.7 W (DIN 1% Rated Power) / Power requirements — DC 6 V using four size AA (R6P) batteries, Domestic AC power using the supplied AC adaptor / Dimensions — 280 (W) × 102.5 (H) × 60 (D) mm (excluding projecting parts and controls) / Weight — 700 g (excluding batteries) /

<AC adaptor AC-D606 E, K>

Rated input — AC 230 V, 50 Hz / Rated output — DC 6 V, 750 mA

• Design and specifications are subject to change without notice.

HK, HR MODEL

Tuner section

Frequency range, antenna — FM: 87.5 - 108.0 MHz
Rod antenna, AM: 530/531 - 1,710/1,602 kHz (10/9 kHz step) Ferrite bar antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 8,000 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

General

Speaker — 58 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 1 W + 1 W (EIAJ 3 ohms, T.H.D. 10%) / Power requirements — DC 6 V using four size AA (R6P) batteries, Domestic AC power using the supplied AC adaptor / Dimensions — 280 (W) × 102.5 (H) × 60 (D) mm (11 1/8 × 4 1/8 × 2 3/8 in.) (excluding projecting parts and controls) / Weight — 700 g (1 lb. 9 oz.) (excluding batteries)

<AC adaptor AC-D606 U>

Rated input — AC 120 V, 60 Hz / Rated output — DC 6 V, 750 mA

• Design and specifications are subject to change without notice.

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
CS-P700 AEZ(S), AK(S), AHKJ(S), AHRJ(S)(S/M Code No. 09-003-340-7T2).

aiwa

S/M Code No. 09-003-340-7R2

REVISION
DATA

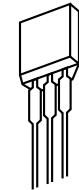
ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は"REFERENCE NAME LIST"を参照してください。
If can't understand for Description please kinly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C311	87-010-382-080		CAP, ELECT 22-25V
	87-A20-955-010	IC,LA1828		C312	87-A10-283-080		CAP,M 1000P-50 J
	87-A20-889-040	C-IC,LC72133V-TLM		C313	87-A10-283-080		CAP,M 1000P-50 J
	88-CS7-612-010	IC,TA7417AP		C316	87-A10-285-080		CAP,M 1500P-50 J
	88-CS7-613-010	IC,KA2402		C317	87-A10-285-080		CAP,M 1500P-50 J
	87-A20-946-040	C-IC,MM1434XF		C320	87-010-380-080		CAP, ELECT 47-16V
	87-A21-205-010	IC,LA4550		C321	87-010-380-080		CAP, ELECT 47-16V
	87-001-145-080	IC,TA8126F		C325	87-A10-277-080		CAP,M 330P-50J
	87-A20-993-040	C-IC,PST9121NL		C326	87-010-248-080		CAP, ELECT 220-10V
	88-CS7-611-010	IC,LC587204A-1L45		C329	87-010-248-080		CAP, ELECT 220-10V
TRANSISTOR				C330	87-010-380-080		CAP, ELECT 47-16V
	89-319-233-080	TR,2SC1923 (0.1W)		C331	87-010-263-080		CAP, ELECT 100-10V
	87-A30-092-080	FET,2SK439E/F		C332	87-010-401-080		CAP,E 1-50 M 11L SME
	87-026-572-080	TR,DTA114TS		C501	87-010-263-080		CAP,E 100-10M 11L SME
	87-026-447-080	TR,2SC1740S R		C502	87-010-404-080		CAP, ELECT 4.7-50V
	87-CD7-604-080	TR,8550C		C503	87-010-404-080		CAP, ELECT 4.7-50V
	87-CD7-603-080	TR,SS8050		C504	87-A10-168-010		CAP,CER 220P-50 K B
	87-A30-064-010	TR,2SC982TM		C505	87-A10-168-010		CAP,CER 220P-50 K B
	89-324-584-080	TR,2SC2458 (0.2W)		C506	87-010-380-080		CAP, ELECT 47-16V
	89-113-625-080	TR,2SA1362GR(120MHZ,0.		C511	87-010-402-080		CAP, ELECT 2.2-50V
	87-026-214-080	TR,DTA114YS (0.3W)		C512	87-010-401-080		CAP, ELECT 1-50V
DIODE				C513	87-010-401-080		CAP, ELECT 1-50V
	87-020-465-080	DIODE,1SS133 (110MA)		C515	87-018-208-080		CAP 0.047-50F
	87-A40-226-080	VARI-CAP,SVC251SPA		C801	87-010-401-080		CAP, ELECT 1-50V
	87-070-345-080	DIODE,1N4148		C802	87-010-401-080		CAP, ELECT 1-50V
	87-017-568-080	VARI-CAP,SVC 342 M/L		C803	87-A10-176-010		CAP,CER 1000P-50 M D
	88-CS8-644-010	LED,SE-3001DT,3MM BRIGHT ,REDL		C804	87-A10-176-010		CAP,CER 1000P-50 M D
	87-A40-659-080	ZENER,HZ5BLL		C805	87-010-060-080		CAP, ELECT 100-16V
	87-A40-398-010	DIODE,1N4001		C806	87-010-263-080		CAP, E 100-10 M 11L SME
	87-017-072-080	ZENER,HZS3B1		C807	87-010-060-080		CAP, ELECT 100-16V
	87-020-605-080	DIODE,1SS135		C808	87-010-060-080		CAP, ELECT 100-16V
MAIN C.B				C809	87-010-060-080		CAP, ELECT 100-16V
	C102	87-A10-172-010	CAP,CER 470P-50 K B	C810	87-018-209-080		CAP, CER 0.1-50V
	C108	87-A10-176-010	CAP,CER 1000P-50 M D	C811	87-018-209-080		CAP, CER 0.1-50V
	C112	87-A10-176-010	CAP,CER 1000P-50 M D	C812	87-010-221-080		CAP, ELECT 470-10V
	C116	87-A10-176-010	CAP,CER 1000P-50 M D	C813	87-010-221-080		CAP, ELECT 470-10V
	C117	87-010-545-080	CAP, ELECT 0.22-50V	C815	87-A10-577-010		CAP,CER 0.022-50 Z YF
	C118	87-010-400-080	CAP, ELECT 0.47-50V	C816	87-010-248-080		CAP, ELECT 220-10V
	C119	87-010-403-080	CAP, ELECT 3.3-50V	C817	87-018-209-080		CAP, CER 0.1-50V
	C120	87-010-401-080	CAP, ELECT 1-50V	C818	87-010-235-080		CAP, ELECT 470-16V
	C121	87-010-401-080	CAP, ELECT 1-50V	C819	87-010-248-080		CAP, ELECT 220-10V
	C124	87-010-405-080	CAP, ELECT 10-50V	C821	87-010-382-080		CAP, ELECT 22-25V
	C127	87-A10-576-080	CAP,CER 0.01-50 Z YF	C822	87-018-209-080		CAP, CER 0.1-50V
	C133	87-010-403-080	CAP, ELECT 3.3-50V	C823	87-010-235-080		CAP, ELECT 470-16V
	C138	87-A10-176-010	CAP,CER 1000P-50 M D	C836	87-010-248-080		CAP, ELECT 220-10V
	C141	87-010-380-080	CAP, ELECT 47-16V	J1	88-CS7-618-010		JACK,DC 6
	C142	87-010-380-080	CAP, ELECT 47-16V	J2	87-A60-420-010		JACK,3.5 ST (MSC)
	C143	87-010-405-080	CAP, ELECT 10-50V	L101	88-CS8-630-010		COIL,FM 9T,3MM,DIA:0.4MM CS34-
	C144	87-018-208-080	CAP 0.047-50F	L102	88-CS8-629-010		COIL,FM 4T,4.5MM,DIA:0.3 MM
	C147	87-A10-176-010	CAP,CER 1000P-50 M D	L103	88-CS7-647-010		COIL,FM3.5T,3.5MM,DIA:0.5 C805
	C150	87-A10-176-010	CAP,CER 1000P-50 M D	L104	88-CS7-646-010		COIL,FM4.5T,3.5MM,DIA:0.5 CS35
	C151	87-010-265-080	CAP, ELECT 33-16V	L105	88-CS7-649-010		COIL,BAR ANT/031 192618-000
	C152	87-A10-176-010	CAP,CER 1000P-50 M D	L106	87-005-151-080		COIL,2.2UH
	C153	87-A10-176-010	CAP,CER 1000P-50 M D	L107	87-003-102-080		COIL, 10UH
	C155	87-A10-576-080	CAP,CER 0.01-50 Z YF	L108	87-005-151-080		COIL,2.2UH
	C156	87-A10-576-080	CAP,CER 0.01-50 Z YF	L109	87-005-702-080		COIL,1UH K LF5.0S
	C159	87-A10-576-080	CAP,CER 0.01-50 Z YF	R323	87-029-105-010		RESISTOR, 1/2W 10
	C162	87-A10-576-080	CAP,CER 0.01-50 Z YF	SW1	88-CS7-655-010		SW,SL 2-4-3 SS43D03G7
	C301	87-010-263-080	CAP, ELECT 100-10V	SW2	88-CS8-621-010		SW,PUSH 2P2T PS22E06A
	C304	87-010-402-080	CAP,E 2.2-50 M 11L SME	SW301	88-CS7-654-010		SW,PUSH 1-1-2 PS12E03
	C305	87-010-380-080	CAP, ELECT 47-16V	T101	88-CS7-642-010		COIL,IFT S7M7B165N 7MM BLACK
	C306	87-010-404-080	CAP, ELECT 4.7-50V	T102	88-CS7-644-010		COIL,IFT 5M1A1492N 7MM RED
	C307	87-010-404-080	CAP, ELECT 4.7-50V	T103	88-CS7-643-010		COIL,IFT 5M4A1273R 7MM YELLOW
	C310	87-010-248-080	CAP, ELECT 220-10V	T104	88-CS7-645-010		COIL,IFT 5M7A1527N 7MM ORANGE
				T301	88-CS8-628-010		COIL,OSC IFT 4A-363R(B) 10MM
				TC101	87-011-253-080		TRIMER,30P LAR
				VR301	88-CS7-639-010		SFR,2K H S085 /002- 202085-000
				VR501	88-CS7-640-010		VR,RTRY 50KDX2 H RK14K121/20MM
				X101	87-030-372-010		VIB,XTAL 7.2MHZ

TRANSISTOR ILLUSTRATION

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
FRONT C.B			
C201	87-010-180-080		C-CER 1500P
C202	87-012-145-080		CAP, CHIP S 270P CH
C203	87-010-263-010		CAP,E 100-10V
C204	87-010-263-010		CAP,E 100-10V
C205	87-010-178-080		CHIP CAP 1000P
C206	87-010-314-080		C-CAP,S 22P-50V
C207	87-010-196-080		CHIP CAPACITOR,0.1-25
C208	87-010-196-080		CHIP CAPACITOR,0.1-25
C209	87-010-320-080		CHIP CAP 68P
C210	87-010-316-080		C-CAP,S 33P-50 CH
C211	87-010-320-080		CHIP CAP 68P
C212	87-010-196-080		CHIP CAPACITOR,0.1-25
C213	87-010-316-080		C-CAP,S 33P-50 CH
C214	87-010-191-080		C-CAP,S 0.015-50 ZF GRM
C215	87-010-196-080		CHIP CAPACITOR,0.1-25
C216	87-010-151-080		C-CAP,S 7P-50 CH
C217	87-010-196-080		CHIP CAPACITOR,0.1-25
C218	87-016-040-080		CAP,DL 0.047F-5.5 Z G FM
C223	87-010-320-080		CHIP CAP 68P
CF201	87-A91-162-010		FLTR,PFS450A7
CF202	88-CS8-631-010		FLTR,CERAMIC SFE10.7MS2-A
L201	87-003-102-080		COIL, 10UH
LCD201	88-CS7-615-010		LCD,HLC8853-01140
T201	88-CS7-641-010		COIL,IFT 5M7A279R 5MM
X201	87-030-273-010		VIB,XTAL 32.768K5PPM
X202	87-A70-155-010		VIB,CER 1000KHZ 0.2%



E C B
2SC1740



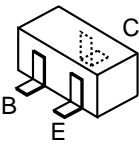
E C B
2SB1010Q
2SC982TM
8550C



E C B
2SC1923
SS8050



E C B
2SC2458
2SK439E



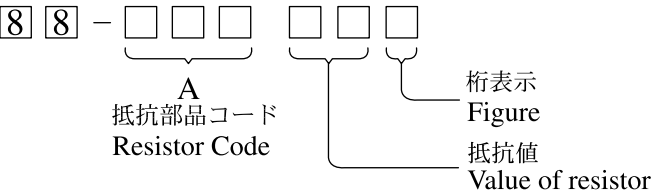
B E C
2SA1362
DTA114TS
DTA114YK

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

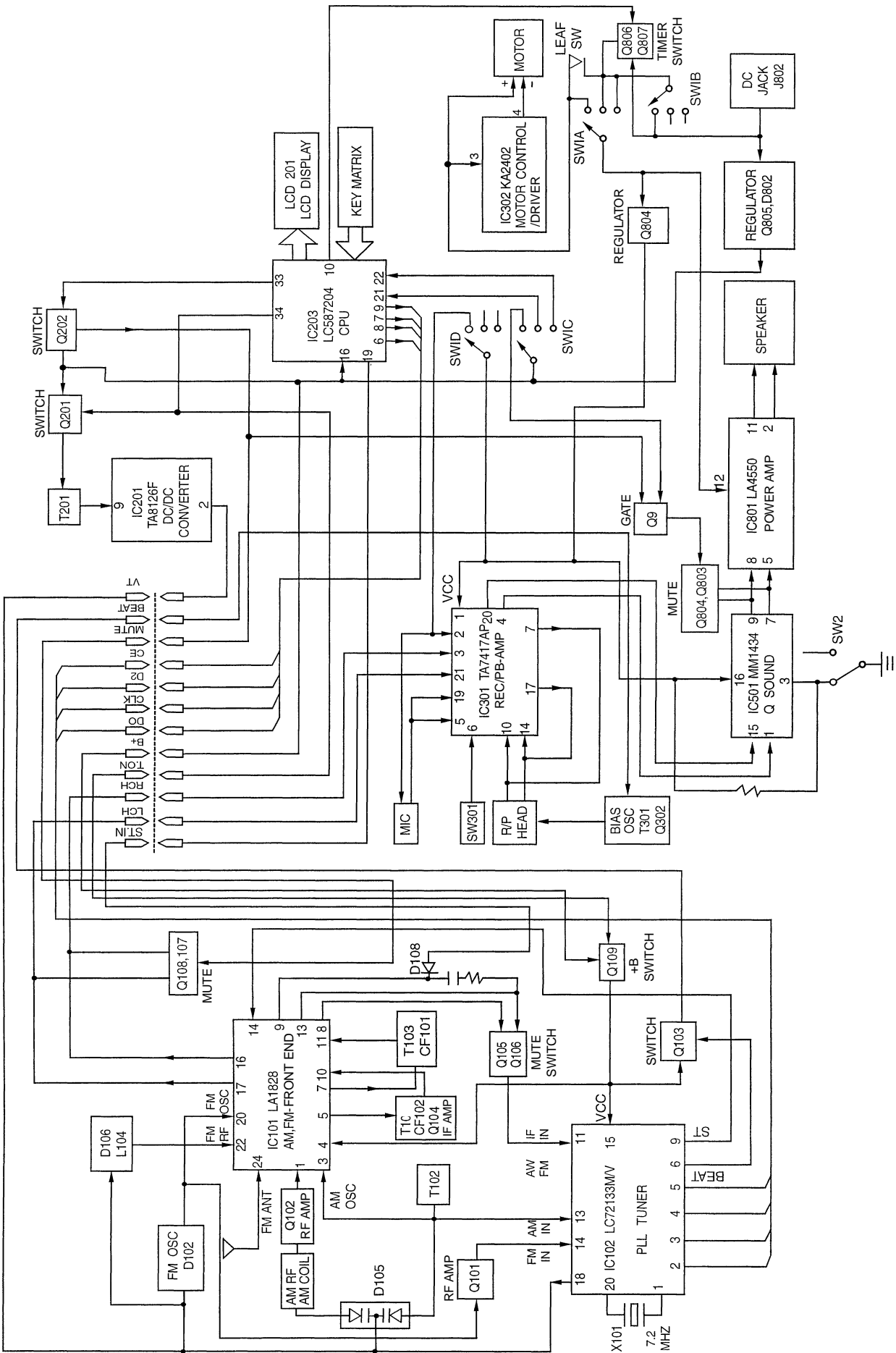
Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

BLOCK DIAGRAM



VOLTAGE CHART

TUNER SECTION

TEST CONDITION: SET TUNER ON AM/FM ONE FREQUENCY

IC101 (LA1828)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	1.26	1.26	3.12	3.12	3.13	0	3.12	0	0	1.26	1.26	1.55
AM	1.24	1.25	3.17	3.16	3.16	0	3.16	0	2.89	1.25	1.25	1.11
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
FM	3.12	2.42	2.41	1.17	1.16	1.23	1.23	3.05	3.05	2.96	0	0.80
AM	3.15	1.88	0	1.18	1.17	1.24	0.38	3.14	3.15	3.15	0	0

IC102 (LC72133 m/V)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
FM	1.50	0	3.06	0	2.97	3.15	2.65	2.61	2.42	2.59
AM	1.54	0	3.07	0	3.09	3.17	2.80	2.72	1.87	2.49
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
FM	1.43	2.41	0	1.49	3.00	0.74	0.74	2.19	0	1.50
AM	1.49	0	1.55	0	3.12	0.72	0.72	4.61	0	1.54

TRANSISTOR	Q103 (DTA114TS)			Q109 (8550)		
	E	C	B	E	C	B
FM	3.19	2.06	3.17	3.24	3.19	2.53
AM	3.20	2.06	3.18	3.24	3.20	2.54

CASSETTE & POWER SECTION

TEST CONDITION: TAPE PLAY

IC301 (TA7417AP)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
PLAY	4.20	2.97	2.04	1.98	2.05	0	2.05	2.05	2.05	2.05	0	2.05
REC	3.69	0	2.04	1.96	2.05	0	2.05	2.06	2.05	2.05	0	2.05
PIN'S NUMBER	13	14	15	16	17	18	19	20	21			
PLAY	0	2.05	2.05	2.05	2.05	0	2.05	1.98	2.04			
REC	0.88	2.05	2.05	2.08	2.05	2.07	2.05	1.97	2.04			

IC302 (KA2402)

PIN'S NUMBER	1	2	3	4	5	6	7	8
PLAY	/	/	5.18	3.48	0	4.61	/	4.37

IC501 (MM1434)

PIN'S NUMBER	1	2	3	4	5	6	7	8
Q SOUND OFF	2.58	2.60	0	1.63	2.59	2.59	2.60	0
Q SOUND ON	2.58	2.60	1.96	1.63	2.59	2.59	2.60	0
PIN'S NUMBER	9	10	11	12	13	14	15	16
Q SOUND OFF	2.60	0	3.30	3.36	3.29	3.40	2.59	5.21
Q SOUND ON	2.60	0	3.30	3.35	3.26	3.37	2.57	5.21

TRANSISTOR	Q301 (8050)			Q302 (8050)		
	E	C	B	E	C	B
PLAY	2.06	2.06	1.47	0	5.22	0
REC	2.06	2.06	1.46	0.10	3.24	0.69

IC201 (TA8126F)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
FM	7.51	14.66	7.60	7.60	/	/	0.60	3.12	3.12	0

IC203 (LC587204)

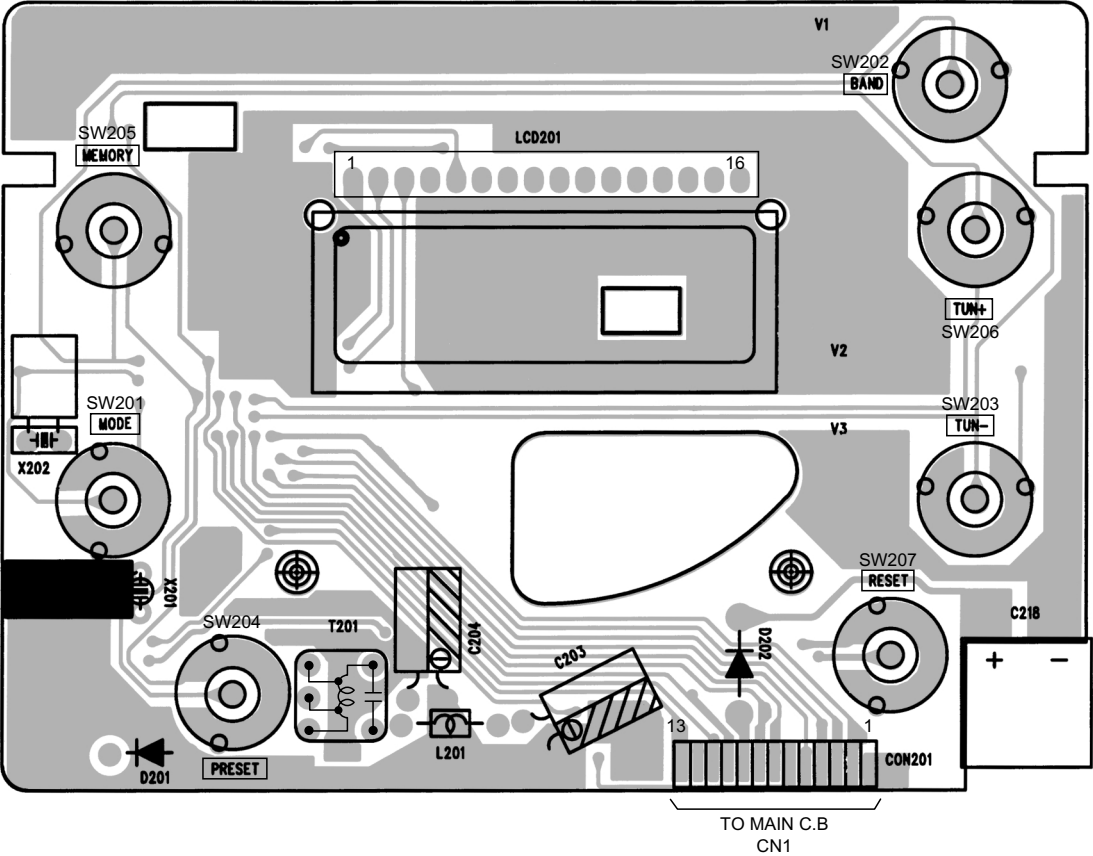
PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	3.03	2.97	0	3.01	1.37	2.95	3.06	0	0	3.03	1.66	1.27
TIME	3.21	3.15	0	3.19	1.36	0	0	0	0	0	1.76	1.29
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
FM	1.53	1.53	3.06	3.05	2.16	3.06	0.43	0	2.81	0	/	0
TIME	1.61	1.61	0	3.23	0	3.23	3.20	0	0	2.94	/	0
PIN'S NUMBER	25	26	27	28	29	30	31	32	33	34	35	36
FM	0	/	3.05	3.05	3.06	/	0	0	3.05	0	/	1.51
TIME	0	/	3.23	3.23	3.23	/	0	0	0	3.22	/	1.62
PIN'S NUMBER	37	38	39	40	41	42	43	44	45	46	47	48
FM	1.53	1.51	1.52	1.52	1.52	1.54	1.55	1.53	1.51	1.53	1.53	1.53
TIME	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
PIN'S NUMBER	49	50	51	52	53	54	55	56	57	58	59	60
FM	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.52
TIME	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
PIN'S NUMBER	61	62	63	64								
FM	1.54	1.54	0.75	2.26								
TIME	1.61	1.61	0.79	2.39								

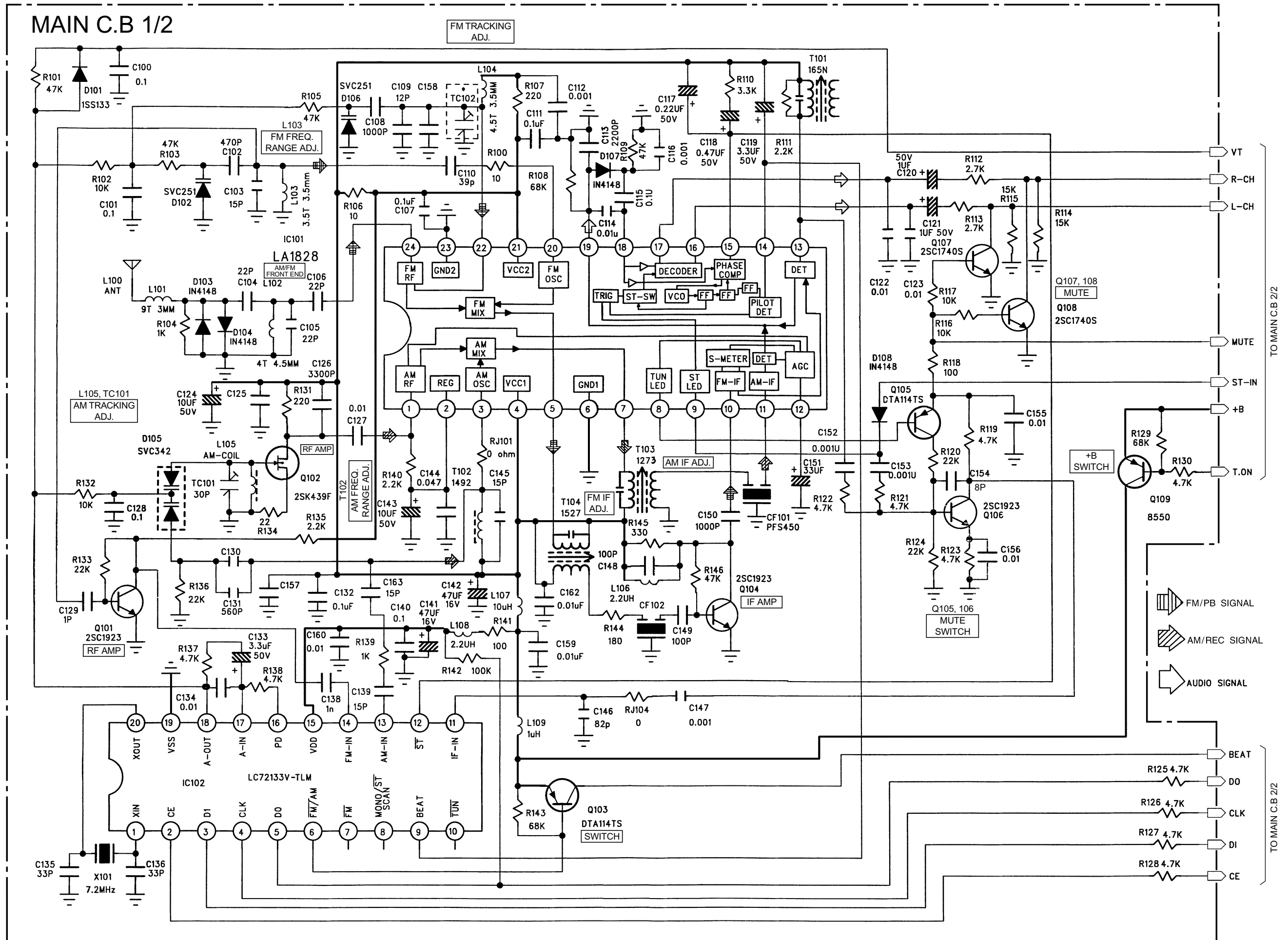
IC202 (PST9121NR)

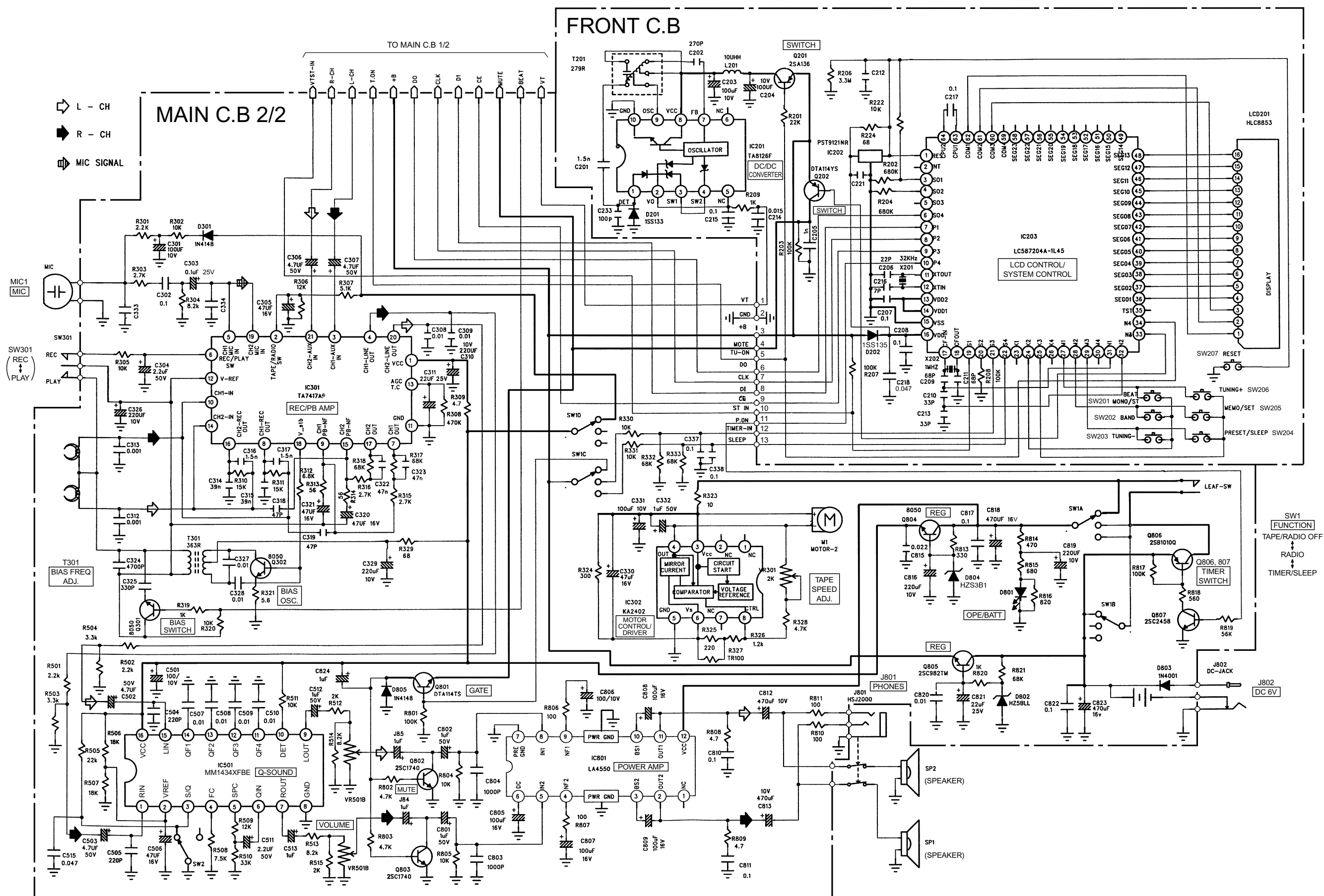
PIN'S NUMBER	1	2	3
FM	3.06	0	3.03

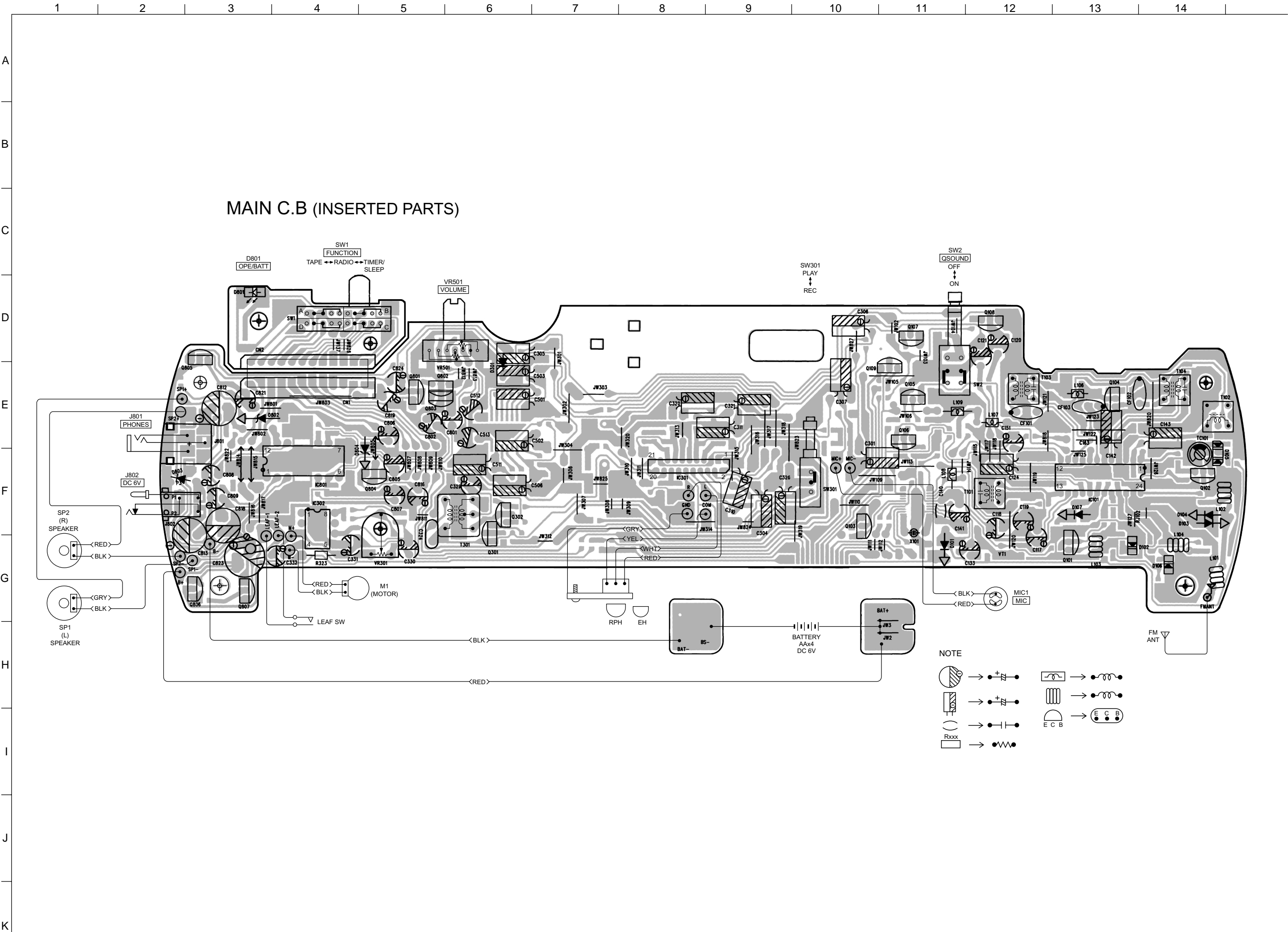
TRANSISTOR	Q806(2SB1010Q)			Q807(C2458)			Q805(2SC982TM)			Q804(8050)		
	E	C	B	E	C	B	E	C	B	E	C	B
PLAY	6.33	6.25	5.59	0	5.59	0.69	3.24	6.33	4.49	5.21	6.33	5.89

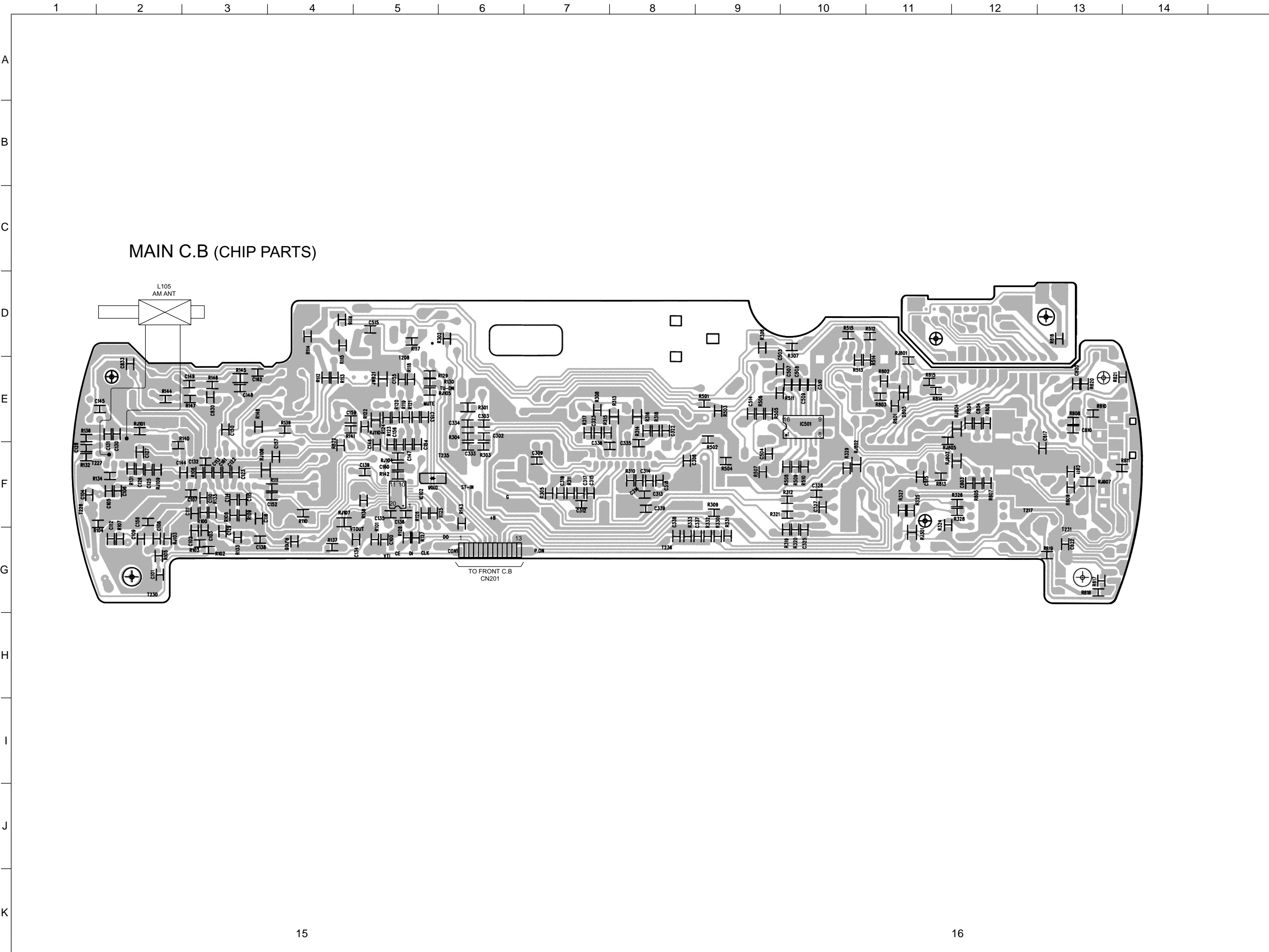
FRONT C.B (COMPONENT SIDE)







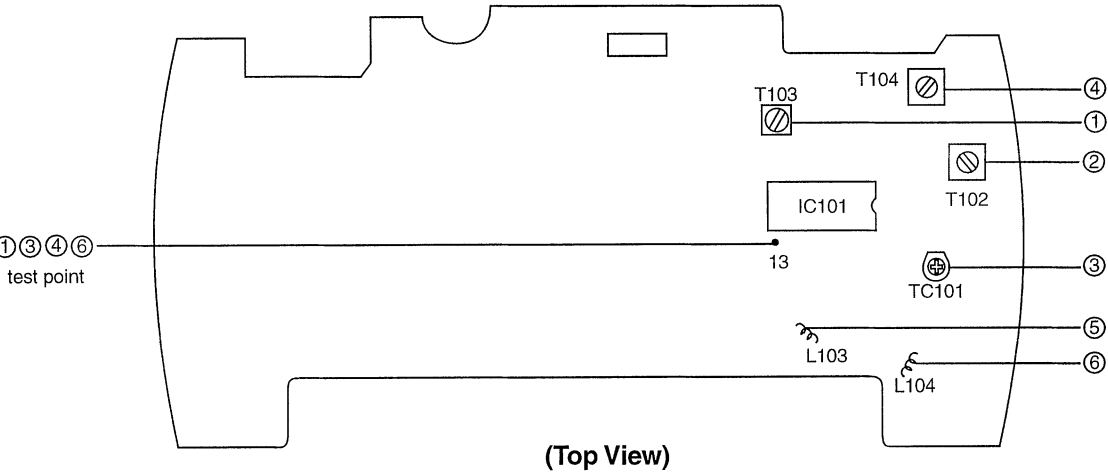




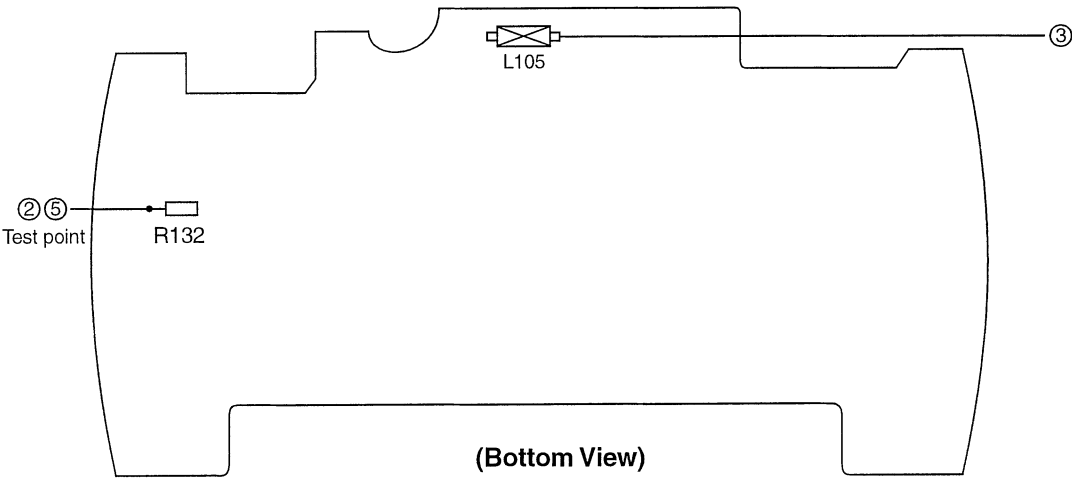
ELECTRICAL ADJUSTMENT

1. SET-UP PROCEDURES

TUNER SECTION



(Top View)



(Bottom View)

1. AM IF Adjustment

Test point: IC101 (LA1828) 13PIN
Adjustment location: T103
T103 ----- 450 kHz

2. AM Frequency Range Adjustment

Test point: Intersection of R132 and R102
Adjustment location: T102
Set the frequency to be 530 kHz (U Version)
or 522 kHz (Others Version) then test voltage.
Adjust T102 so that the test point voltage is
0.65V ±0.03V.

3. AM Tracking Adjustment

Test point: IC101 (LA1828) 13PIN
Adjustment location: L105, TC101
L105 ----- 600 kHz (U Version) waveform max.
603 kHz (Others Version) waveform max.
TC101 ----- 1400 kHz (U Version) waveform max.
1404 kHz (Others Version)

4. FM IF Adjustment

Test point: IC101 (LA1828) 13PIN
Adjustment location: T104
T104 ----- 10.7 MHz

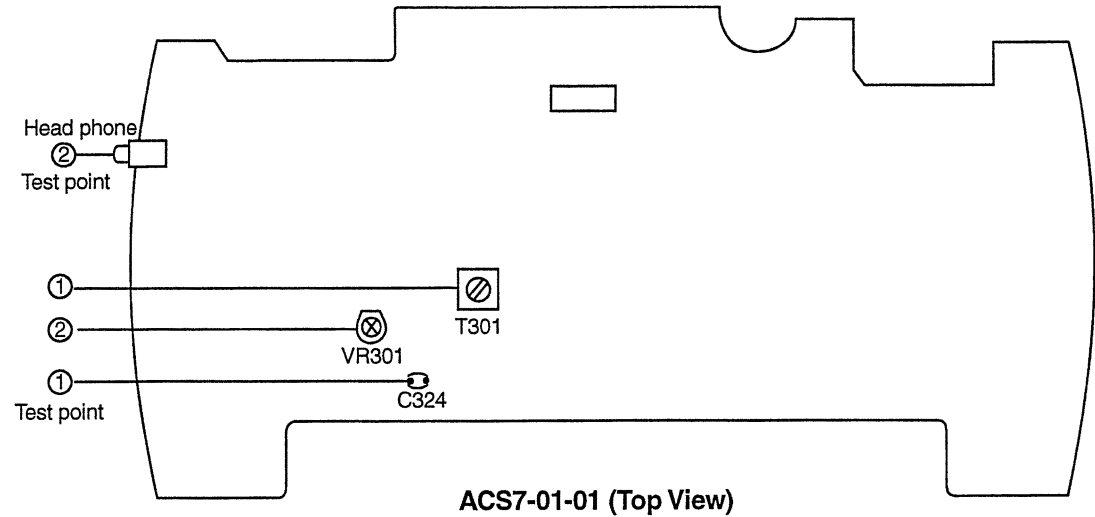
5. FM Frequency Range Adjustment

Test point: Intersection of R132 and R102
Adjustment location: L103
Set the frequency to be 87.5 kHz then test voltage.
Adjust L103 so that the test point voltage is 1.50 ±0.03V

6. FM Tracking Adjustment

Test point: IC101 (LA1828) 13PIN
Adjustment location: L104
L104 ----- 88 MHz waveform max.

CASSETTE SECTION (ALL VERSION)



ACS7-01-01 (Top View)

1. Bias Frequency Adjustment

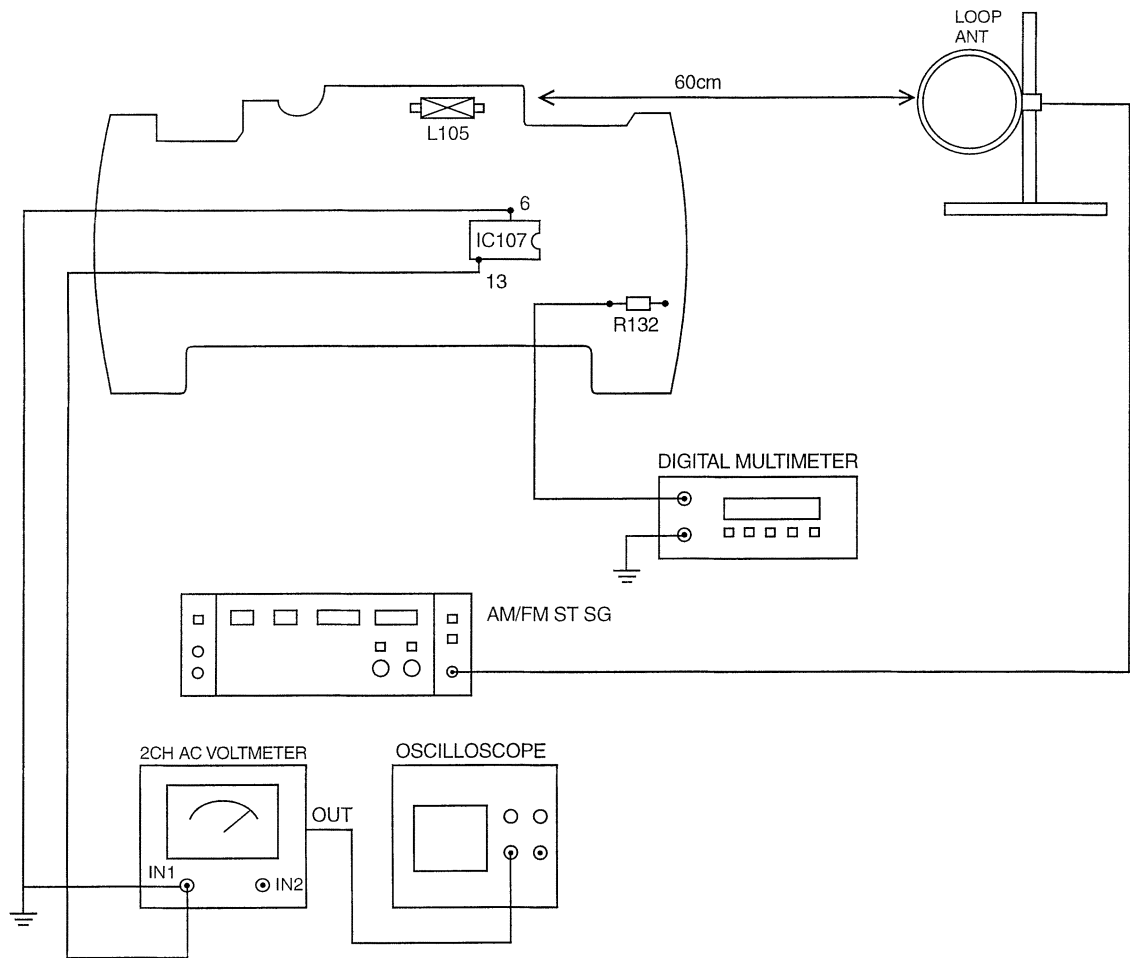
Test point: intersection of C324 and C325
Adjustment Location: T301
T301----- 60 kHz ± 5kHz

2. Tape Speed Adjustment

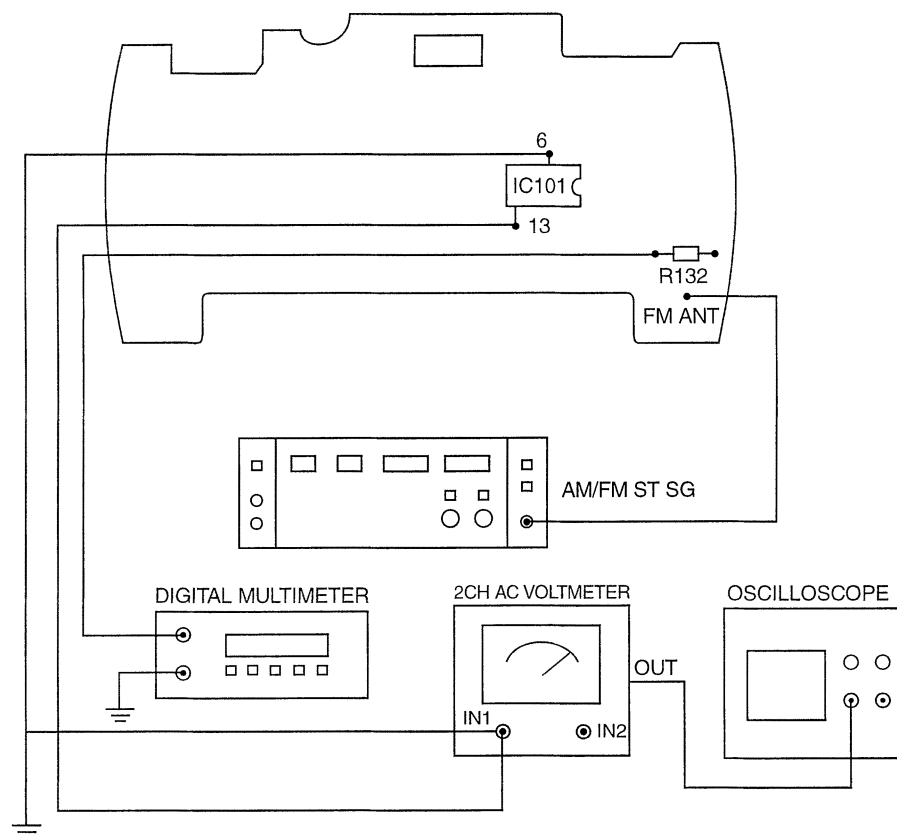
Test point:headphone jack
Adjustment Location:VR301
VR301----- 3000 ± 20Hz

2. EQUIPMENT CONNECTION DIAGRAM

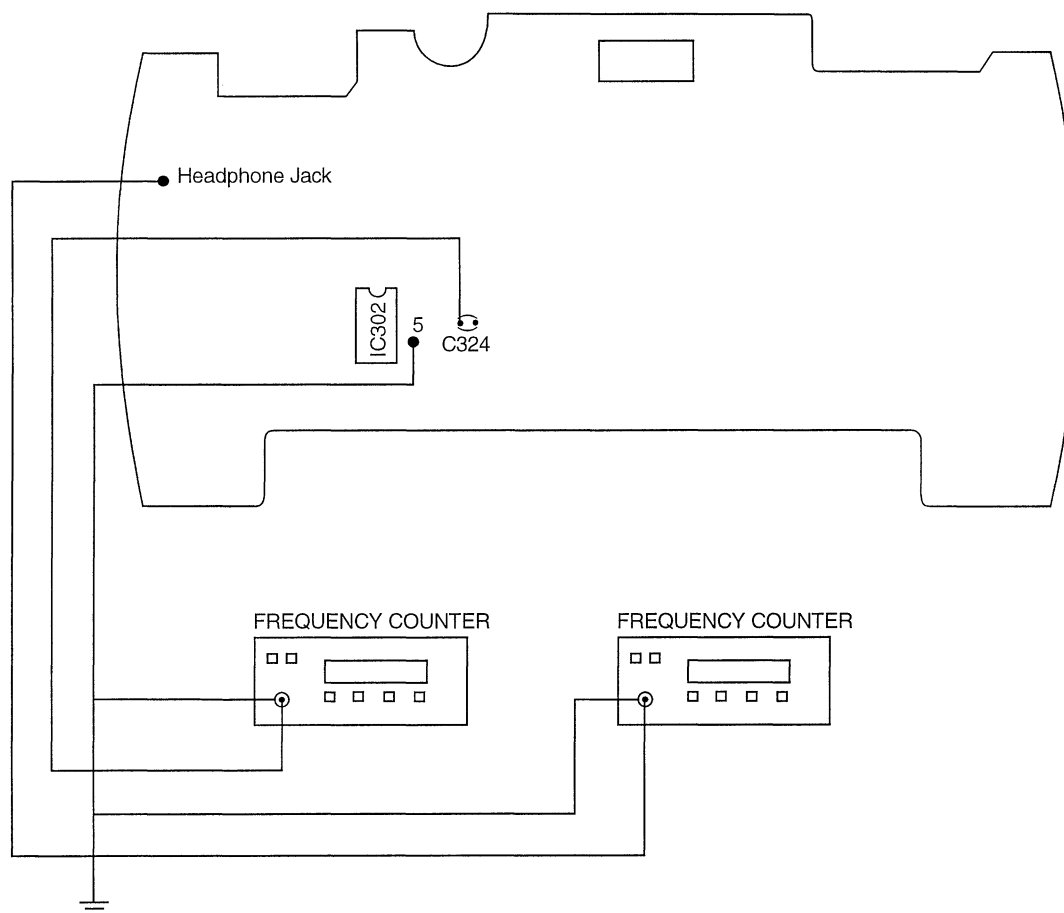
AM SECTION



FM SECTION



CASSETTE SECTION



PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM SECTION >

Quieting sensitivity: (THD 3%)	Less than 22dB (at 88.0MHz) Less than 22dB (at 98.0/108.0MHz)
Distortion:	Less than 3% (Dev 75/1kHz) (at 98.0MHz)
Intermediate frequency:	10.7MHz

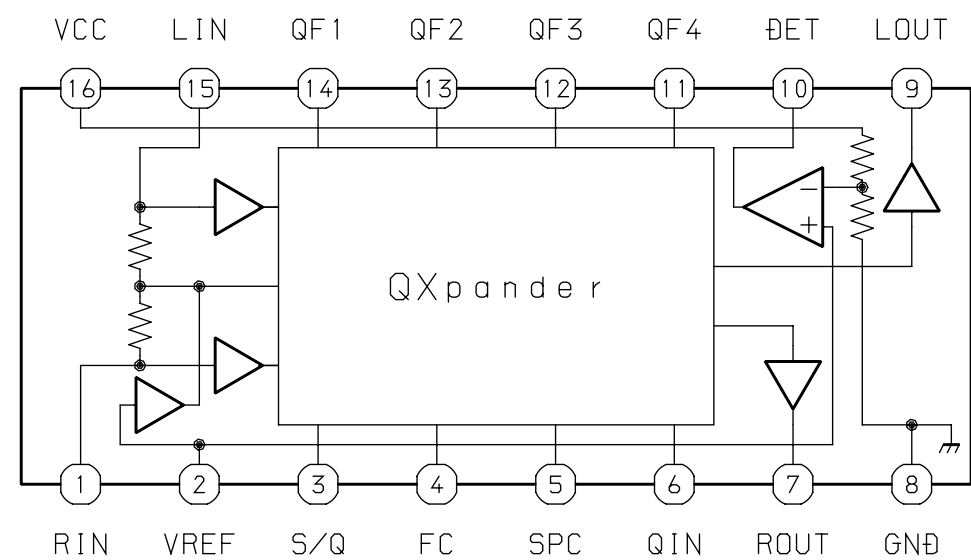
< AM (MW) SECTION >

Sensitivity: (S/N 10dB)	Less than 50dB (at 603kHz) Less than 47dB (at 999/1404kHz)
Signal to noise ratio:	More than 30dB (With 5mV/m) (at 999kHz)
Distortion:	Less than 3% (5mV/m, 30%) (at 999kHz)
Intermediate frequency:	450kHz

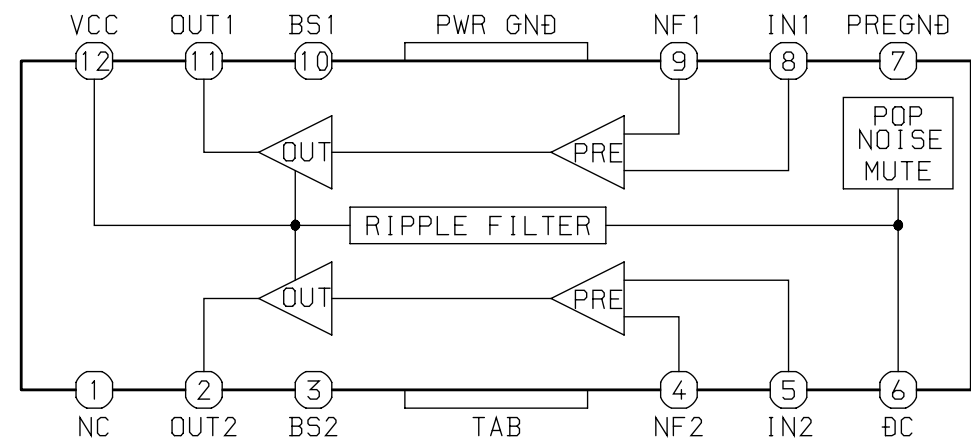
< DECK SECTION >

Tape speed:	3000Hz+90Hz/-60Hz
Distortion:	Less than 3% (PB) Less than 8% (REC)
Wow & Flutter:	Less than 0.45%
Test tape:	TTA-100

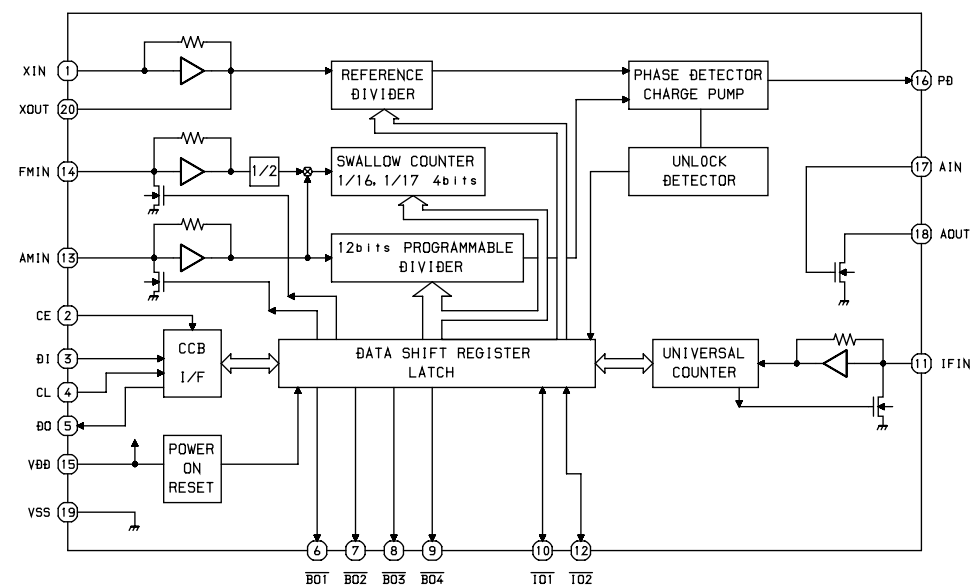
IC BLOCK DIAGRAM
IC, MM1434XF



IC, LA4550

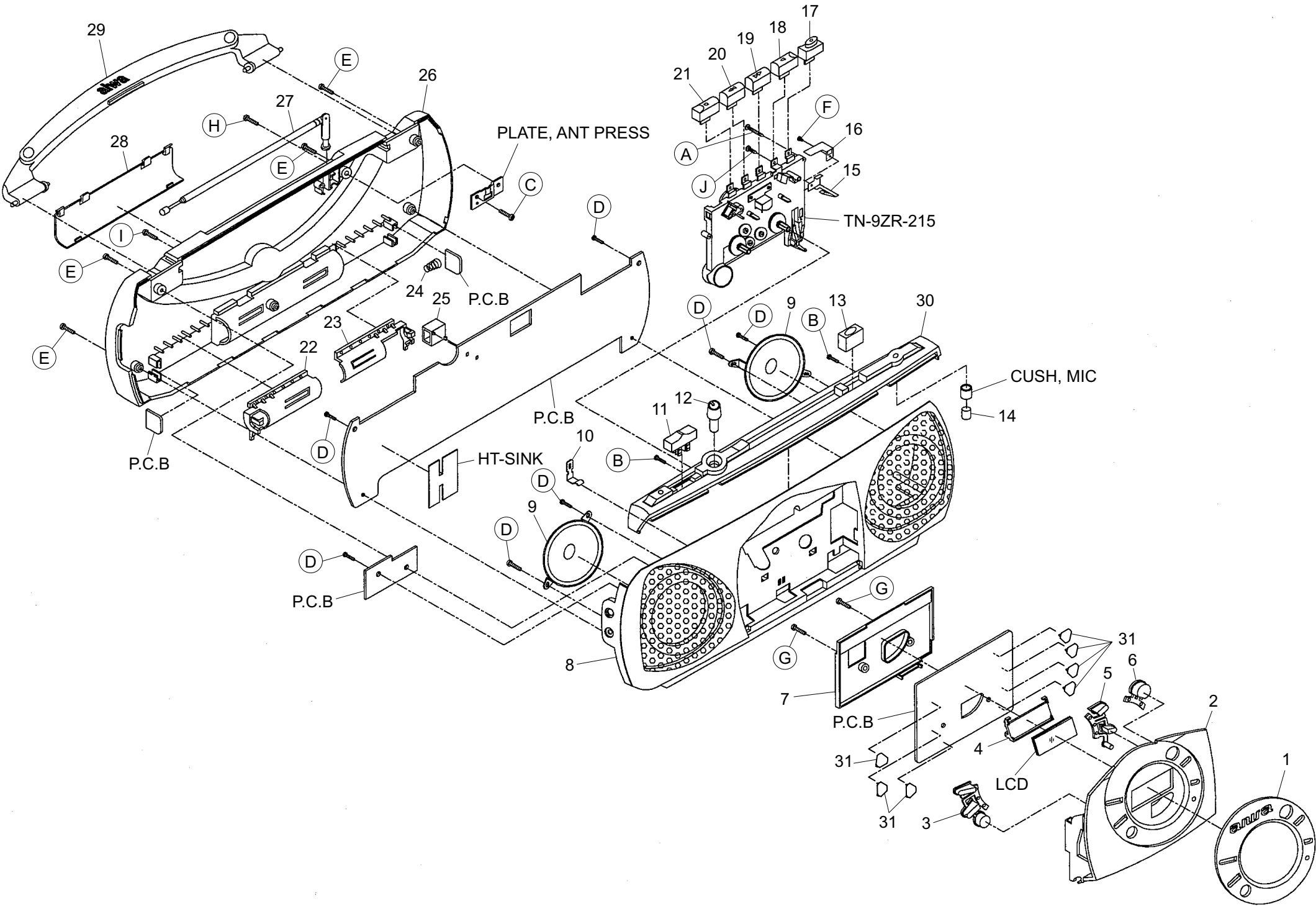


IC, LC72133V-TLM



IC DESCRIPTION
IC, LC587204A-1L45

Pin No.	Pin Name	I/O	Description
1	RES	I	Active low (normally pulled up), microprocessor reset.
2	INT	I	Not connected.
3, 4	S01, S02	I/O	Destination is set.
5	S03	I/O	Not connected.
6-9	S04, P1-P3	I/O	PLL serial data.
10	P4	I/O	—
11	XTout	O	Xtal 32 kHz.
12	XTin	I	
13, 14	VDD2, VDD1	—	—
15	VSS	—	GND.
16	VDD	—	+B, microprocessor power supply.
17	CFin	I	Ceramic 1 MHz.
18	CFout	O	
19	S1	I	—
20	S2	I	HOLD terminal High during HOLD.
21	S3	I	Tuner input detection by function switch.
22	S4	I	Timer input detection.
23	K1	I/O	—
24, 25	K2, K3	I/O	KEY matrix (input).
26	K4	I/O	—
27-30	M1-M4	I/O	KEY matrix (output).
31	N1	O	Clock shift.
32	N2	O	Power control (output).
33	N3	O	Mute output.
34	N4	O	ON when tuner is selected.
35	TST	I	GND.
36-48	SEG01-SEG13	O	LCD segment output.
49-58	SEG14-SEG23	O	—
59	COM4	O	—
60-62	COM3-COM1	O	LCD common output.
63, 64	CUP1, CUP2	—	—



MECHANICAL PARTS LIST 1/1

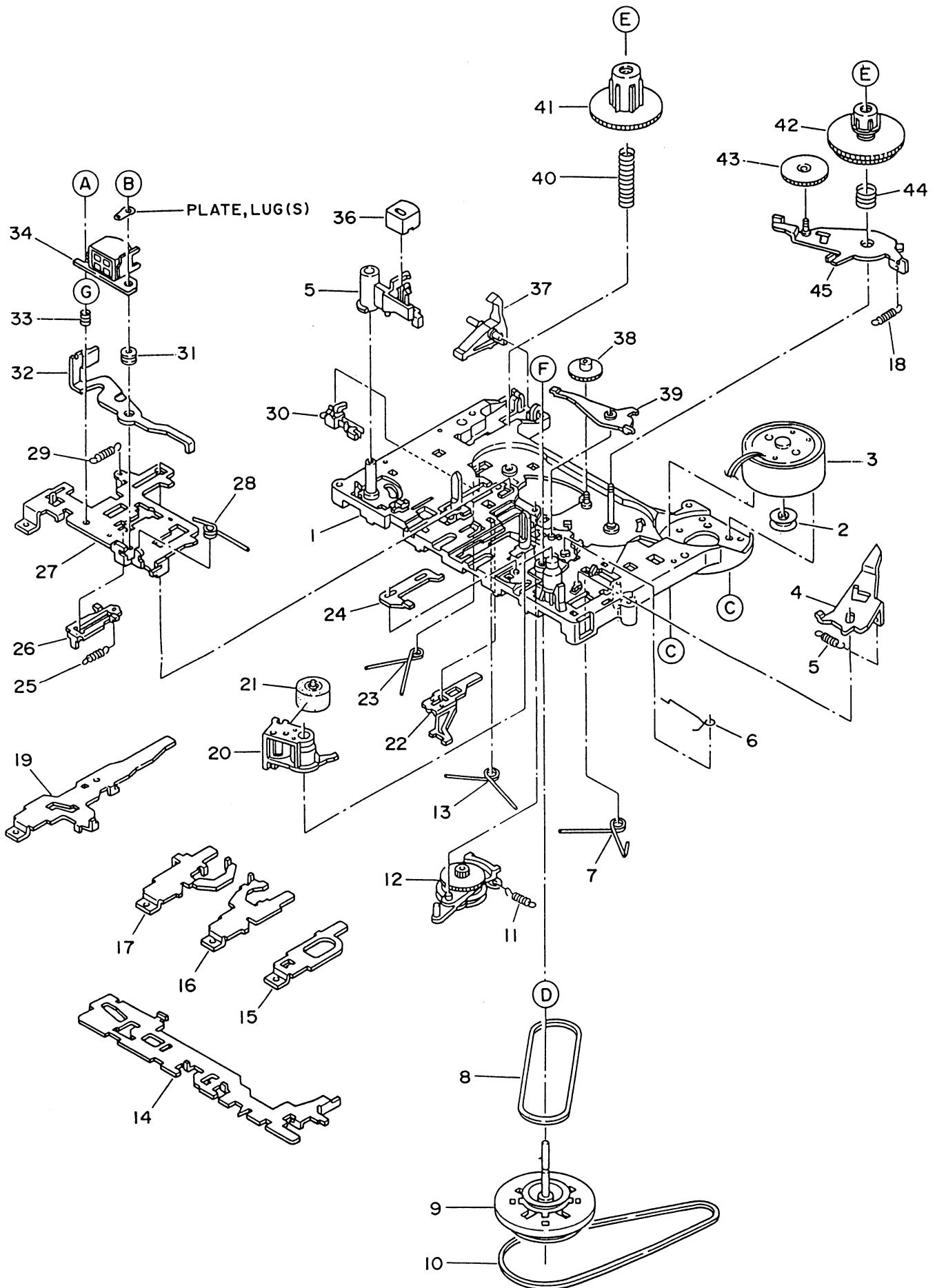
DESCRIPTIONで判断できない物は"REFERENCE NAME LIST"を参照してください。
If can't understand for Description please kinly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CS7-023-010		WINDOW,CASS EX	26	8A-CS7-002-010		CABI,REAR
2	8A-CS7-004-010		LID,CASS	27	88-CS7-626-010		ANT,ROD P7 TYPE
3	8A-CS7-007-010		KEY,BUTTON(L)	28	8A-CS7-018-010		LID,BATT
4	8A-CS7-201-010		HLD, LCD	29	8A-CS7-011-010		HANDL,
5	8A-CS7-008-010		KEY,BUTTON(R)	30	8A-CS7-022-010		PANEL,TOP EX
6	8A-CS7-024-010		KEY,BAND EX	31	88-CS7-212-010		PLATE,CONTACT
7	8A-CS7-202-010		COVER, PWB	32	87-450-414-010		LUG TERMINAL PLATE, LB-4
8	8A-CS7-025-010		CABI,FR ASSY D	A	87-B10-114-010		VT2+2-12 CR
9	87-A91-713-010		SPKR,57MM 4-OHM 0.5-1.0W F/330	B	87-741-074-410		UT2+2.6-8
10	86-CS9-207-010		SPR-P,CASS	C	87-741-073-410		UT2+2.6-6 GLD
11	8A-CS7-006-010		KNOB,SL	D	87-741-095-410		UT2+3-8 GLD
12	8A-CS7-012-010		KNOB,RTRY VOL	E	87-741-097-410		UT2+3-12
13	8A-CS7-010-010		KEY,Q-SOUND	F	87-751-033-410		VT2+2-4 W/O
14	88-CS8-625-010		MIC,ECM	G	87-751-036-410		VT2+2-8 W/O SLOT
15	8Z-CS7-203-010		SPR-P,DOOR CASS	H	87-254-094-410		U+3-6 CR
16	8Z-CS7-204-010		SPR-P,REC	I	87-741-096-410		UT2+3-10
17	8A-CS7-017-010		KEY,CASS REC				
18	8A-CS7-016-010		KEY,CASS PLAY				
19	8A-CS7-014-010		KEY,CASS FF				
20	8A-CS7-015-010		KEY,CASS REW				
21	8A-CS7-013-010		KEY,CASS STOP				
22	8A-CS7-203-010		HLD, BATT(L)				
23	8A-CS7-204-010		HLD, BATT(R)				
24	88-CS7-211-010		SPR,BATT A(-)				
25	88-CS8-214-010		HLD, BAR ANT				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

TAPE MECHANISM EXPLODED VIEW 1/1



TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kinly refer to "REFERENCE NAME LIST".

REFNO	PARTNO.	KANRI NO.	DESCRIPTION	REFNO	PARTNO.	KANRI NO.	DESCRIPTION
1	S1-877-013-120		CHASSIS ASSY	31	S1-867-020-040		RPB COLLAR
2	S1-877-120-010		MOTOR PULLEY	32	S1-877-033-010		SENSING PLATE ASSY
3	S6-002-070-100		MOTOR FR-410CA-12250T	33	S9-400-312-000		SPR,HEAD
4	S1-877-010-170		AUTO LEVER	34	S6-201-011-170		HEAD,RP-7442FS-1251
5	S1-877-010-190		AUTO LEVER SPR	35	S1-877-030-050		ARM MG
6	S1-877-030-090		SPR,EARTH	36	S6-207-100-020		HEAD E TC-230AN(SL)
7	S1-877-010-370		SPR,LEVER BTN STOP	37	S1-877-020-010		LEVER,SAFETY REC
8	S1-867-050-040		BELT,RF	38	S1-821-100-700		GEAR,FF
9	S1-877-093-050		FLYWHEEL ASSY	39	S1-877-190-010		ARM RC
10	S1-877-090-070		BELT,MAIN	40	S1-877-060-020		BACK TENSION SPR
11	S1-877-070-060		SPR,ARM PULLEY RF	41	S1-877-060-010		S REEL
12	S1-877-073-030		RF PULLEY ARM ASSY	42	S1-877-053-040		TAKE UP REEL ASSY
13	S1-877-010-110		FR BUTTON LEVER SPR	43	S1-821-103-4A0		GEAR T ROLLER
14	S1-877-010-260		BTN,ACTUATOR	44	S1-821-100-460		BACK TENSION SPR
15	S1-877-010-060		STOP BUTTON LEVER	45	S1-877-015-030		T ROLLER GEAR PLATE ASSY
16	S1-877-010-230		LEVER,BTN FF	A	S9-817-000-000		SCREW AZIMUTH M2-4.3
17	S1-877-010-240		LEVER,BTN RWD	B	S9-210-000-000		SCREW M2-5
18	S1-877-010-320		SPR,PLATE T GEAR	C	S9-C33-172-030		CAMERA(SPECIAL) SCREW M2-1.7
19	S1-877-010-250		LEVER,BTN REC	D	S9-999-000-010		P.WASHER 1.85-3.2-0.2
20	S1-877-040-010		PINCH ROLLER ARM	E	S9-888-000-000		P.WASHER CUT 1.2-3-0.4
21	S1-877-040-070		PINCH ROLLER ASSY	F	S9-999-030-010		P.WASHER CUT 1.5-3.2-0.5
22	S1-877-010-270		PLATE,SW	G	S9-316-000-000		FW WASHER 2.1-5-0.2
23	S1-877-010-310		SPR,ACTUATOR				
24	S1-877-190-020		PLATE TIMING				
25	S1-877-030-080		SPR,RC				
26	S1-877-030-040		P,PLATE				
27	S1-877-030-030		PANEL,HEAD				
28	S1-877-040-080		PINCH ROLLER ARM SPR				
29	S1-877-030-070		SPR,PANEL HEAD				
30	S6-401-011-490		SW,LEAF MSW-1541T				

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kinly refer to "REFERENCE NAME LIST".

REFNO	PARTNO.	KANRI NO.	DESCRIPTION
△	1	87-B30-344-010	AC ADAPTOR,AC-D606E<AEZSC>
△	1	87-B30-346-010	AC ADAPTOR,AC-D606H<AHRJSC>
△	1	87-B30-345-010	AC ADAPTOR,AC-D606K<AKSC,AHKJSC>
	2	8A-CS7-906-010	IB,EZ(9L)A<AKSC,AEZSC>
	2	8A-CS7-901-010	IB,H(ECA)A<AHRJSC,AHKJSC>



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